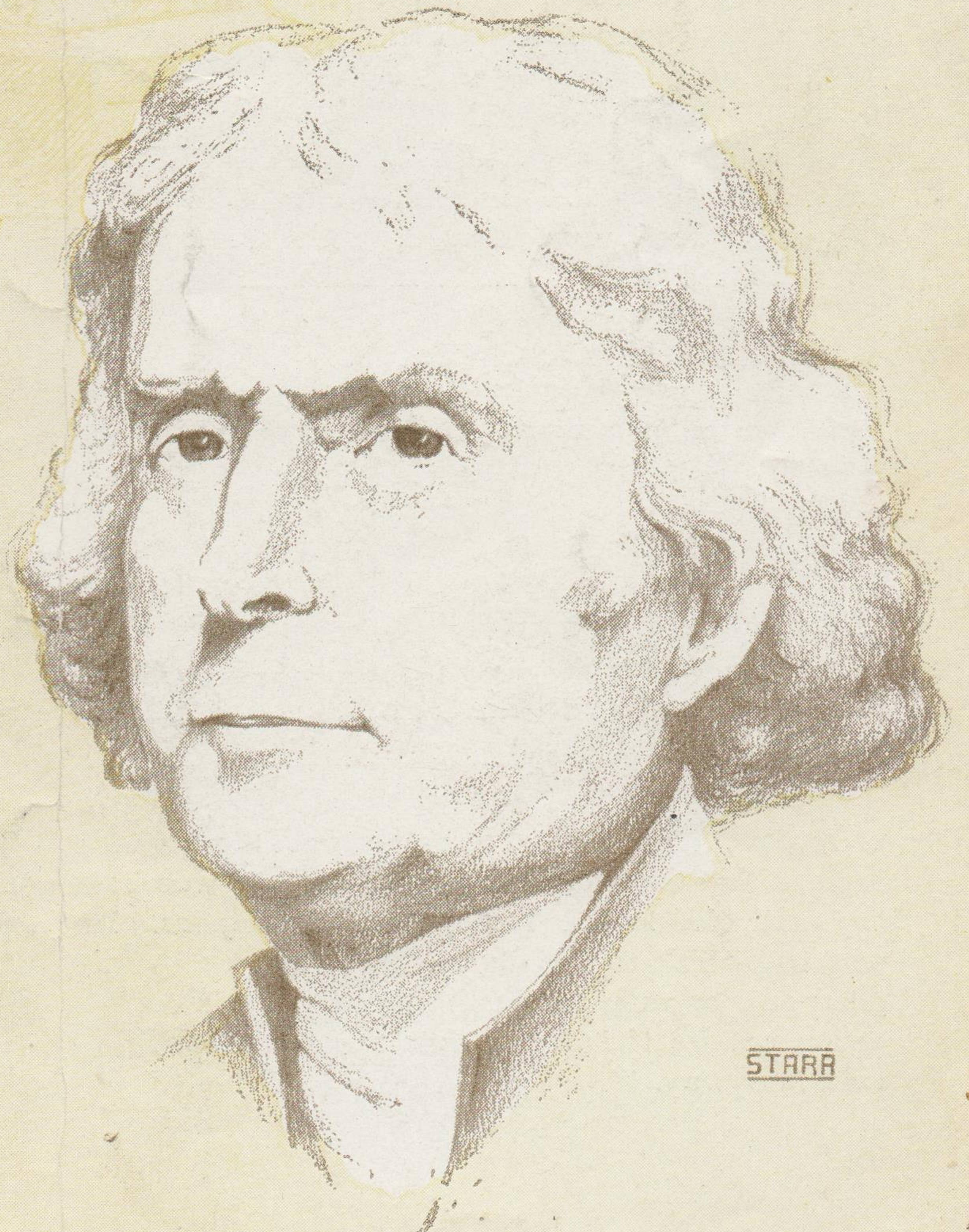


The Northwest TECHNOCRAT

WAS JEFFERSON A FOOL?
See Page 4

Jefferson Memorial

APRIL
1943
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APRIL

1943

PUBLICATION OF
Section 3, R. D. 12247 TECHNOCRACY Inc
2021 Third Avenue, Seattle, Washington

Continental Headquarters of Technocracy Inc. are located
at 155 East 44 th St., New York City

VOL. 7 NUMBER 10 WHOLE NUMBER 82

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| America Must Show the Way | 10c |
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● Too late, after we had started our press runs, we learned that the article on 'Black Markets' was being used also in The Technocrat, Los Angeles. It was impossible to substitute at that stage, because other articles were involved. We regret this duplication but we think the article is worth reading twice, anyway.

TECHNOCRACY

America's Only Social Dynamic

WHEN

● Technocracy originated in the winter of 1918-1919 when Howard Scott formed a group of scientists, engineers and economists that became known in 1920 as the Technical Alliance—a research organization. In 1930 the group was first known as Technocracy. In 1933 it was incorporated under the laws of the State of New York as a non-profit, non-political, non-sectarian membership organization. In 1934 Howard Scott, Director-in-Chief, made his first Continental lecture tour which laid the foundations of the present nation-wide membership organization. Since 1934 Technocracy has grown steadily without any spectacular spurts, revivals, collapses or rebirths. This is in spite of the fact that the press has generally 'held the lid' on Technocracy, until early in 1942 when it made the tremendous 'discovery' that Technocracy had been reborn suddenly, full-fledged with all its members, headquarters, etc., in full swing!

WHAT

● Technocracy is the only American social movement with an American program which has become widespread in America. It has no affiliation with any other organization, group or association either in America or elsewhere.

● The basic unit of Technocracy is the chartered Section consisting of a minimum of 25 members and running up to several hundred.

● It is not a commercial organization or a political party; it has no financial subsidy or endowment and has no debts. Technocracy is supported entirely by the dues and donations of its own members. The widespread membership activities of Technocracy are performed voluntarily; no royalties, commissions or bonuses are paid, and only a small full-time staff receives subsistence allowances. The annual dues are \$5.00 which are paid by the member to his local Section.

● Members wear the chromium and vermilion insignia of Technocracy—the Monad, an ancient generic symbol signifying balance.

WHERE

● There are units and members of Technocracy in almost every State, and in addition there are members in Alaska, Hawaii, Panama, Puerto Rico and in numerous other places with the Armed Forces.

● Members of Technocracy are glad to travel many miles to discuss Technocracy's Victory Program with any interested people and Continental Headquarters will be pleased to inform anyone of the location of the nearest Technocracy unit.

WHO

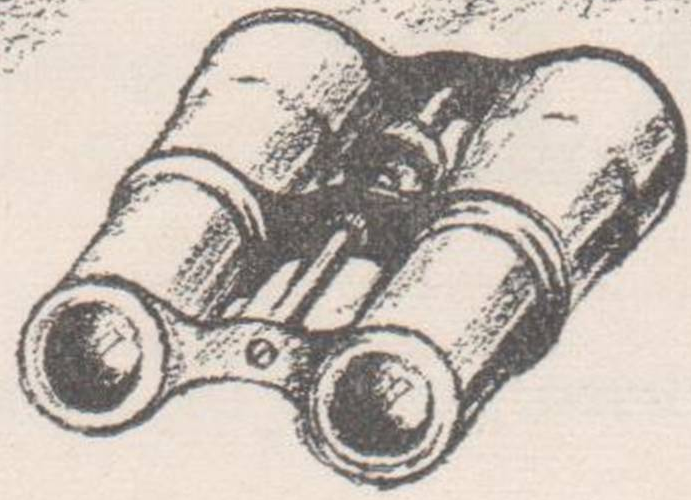
● Technocracy was built in America by Americans. It is composed of American citizens of all walks of life. Technocracy's membership is a composite of all the occupations, economic levels, races and religions which make up this country. Membership is open only to American citizens. Aliens, Asiatics and politicians are not eligible. (By politicians is meant those holding elective political office or active office in any political party).

● Doctor, lawyer, storekeeper, farmer, mechanic, teacher, preacher or housewife—as long as you are a patriotic American—you are welcome in Technocracy.

● The Northwest Technocrat is published monthly by Section 3, R.D. 12247 Technocracy Inc., 2021 Third Avenue, Seattle, Washington. Entered as second class matter October 2, 1942, at the Post Office of Seattle, Washington, under the Act of March 3, 1879. Subscription rates are \$1.50 for 12 issues, \$1.00 for 8 issues. Orders for 10 or more will be supplied at the bundle-order rate of 12 cents a copy. Printed in U.S.A.

● Printed by voluntary labor on the Organization's press.

Watch



SPAIN

● Under a date line of Feb. 26, the following clipping was taken from the Everett Daily Herald:

'Barcelona, Feb. 26—(AP)—Disclosing that the United States has been exporting stores of oil, cotton, food and other products to Spain to aid in restoration of her economy, U. S. Ambassador Carlton J. H. Hayes declared today:

"The United States stands ready to continue and extend any help it can to Spain, which itself is doing so much with such obvious success to develop a peace economy that can, and will, carry this country safely into a future period of world peace."

"He asserted that the amount of petroleum products available in Spain now is "considerably higher than the present per capita distribution to the people of the Atlantic seaboard of the United States itself," and said oil has been flowing to Spain since last September in an amount which equalled the full capacity of the Spanish tanker fleet.

"The ambassador, speaking on the 25th anniversary of the American Chamber of Commerce here, praised Spain as having effected a vigorous economic renaissance under "wise direction of the government which, while fostering works of peace at home, has held aloof from war abroad."

"In announcing details of American exports to Spain, Hayes disclosed that 25,000 tons of sulfate of ammonio had been made available to this country recently despite shortages in America. He also disclosed that a shipment of 10,000 tons of cotton had recently been sent to Spain and said "a very notable increase of cotton imports" could be expected here.

'Other products urgently required here which are being furnished by the United States include peas, beans, coal, cellulose, carbon black, codfish and industrial chemicals, Hayes said.'

● Please note that American oil has been flowing to Spain in large amounts; that industrial chemicals and sulfate of ammonia, besides food, have been exported.

● In the light of an article entitled 'Spain; Next Step for Hitler?' appearing in the Feb. 27, 1943 edition of The Saturday Evening Post, our exporting of goods to Spain assumes new and ominous if not sinister meaning.

● While the Spanish people are impoverished, Spain's Army numbers a million men or more, and is equipped with the latest weapons. Spain's army in Southern Spain and Spanish Morocco constitutes a standing threat to the rear of Gen. Eisenhower's army. Besides the Spanish army it is possible, in case of Spanish entry into the war, for German troops to be rushed from France, according to present plans, over new roads from the French border to the Straits. New artillery on Spanish soil is set to place Gibraltar and the Strait under attack, an action which would deny use of the Strait to the Allies and allow Axis movement to Spanish Morocco in North Africa.

● 'Nazis in Spain claim that the German army on the French frontier can cross Spain in between fifty and sixty hours,' says the article. 'Plans for the crossing are worked out to the last detail A network of new roads stretches across Spain . . . Key points are lined up to serve as gasoline and food depots, and some Spaniards say that they are already filled with stores.'

● The people despise the Nazis and want peace, but the people are ruled by the Fascists and have little to say.

(Continued on Page 17)

AMERICAN WAY OF LIFE



WE SEE many statements in the newspapers that the American Way of Life must be preserved, but there is much confusion in the minds of the people as to what really is the American Way. We are told repeatedly that Private Industry, Personal Initiative, and Rugged

Individualism are necessary factors in the American Way of Life, but how true is this statement?

- Let us go back to the beginning of the Nation and see if we can discover the real American Way.

- When the Colonies decided to separate from the British Empire, a document was drafted, announcing their decision and giving the reasons therefor.

- There also was included in the document, which is known as 'The Declaration of Independence,' a statement of the principles upon which it was proposed to found the new nation.

- The clause setting forth these principles reads as follows:

'We hold these truths to be self evident; That all men are created equal; that they are endowed with certain inalienable rights; that among these are life, liberty, and the pursuit of happiness; that, to secure these rights, governments are instituted among men, deriving their just powers from the consent of the governed; that whenever any form of government becomes destructive of these ends it is the right of the people to alter or abolish it and to institute a new government, laying its foundation on such principles and organizing its

powers in such form as to them shall seem most likely to effect their safety and happiness.'

- The author of the above clause was Thomas Jefferson, whose high intellectual standing as a statesman and philosopher is beyond dispute. However, his choice of grammatical construction has laid the clause open to misinterpretation by shallow thinkers in this way. The clause 'that all men are created equal,' taken alone and away from its qualifying context, is of course physically and mentally incorrect. This sentence is frequently criticized by shallow thinkers, but to assume that Jefferson intended it to stand alone without its following qualifications is to assume that Jefferson was a fool, which assumption is refuted by his record and his writings. Neither did his fellow co-signers subscribe to such an idea, alone and unqualified.

- The real meaning of the statement, interpreted as a whole, is this: That all men are created with equal and inalienable rights to life, liberty, and the pursuit of happiness. This concept, *properly analyzed*, is the real basic principle of The American Way of Life.

- In due course of time, following the winning of independence from Great Britain, a convention was called for the purpose of formulating a constitution for governing the Union of the Colonies.

- Most unfortunately, however, the principle of liberty, so clearly stated in the 'Declaration,' was ignored, with consequences which are so well known that it is unnecessary to dwell on them here.

● Now as to the right to life guaranteed in the 'Declaration,' what does it really mean? Properly analyzed it means this: There are certain things necessary to life without which civilized living is impossible. These things, in the order of their imminent necessity, are air, water, food, clothing, and shelter.

● AIR is so plentiful as to be naturally free everywhere.

● WATER, in sufficient amount to maintain life, can usually be obtained without cost.

● FOOD, however, is not so plentiful nor so easily obtained. It can be obtained only by working to gather, or to produce it, or by working to produce something which can be exchanged for it.

● CLOTHING and SHELTER are in the same category as food, and can be obtained only by the same processes.

● Therefore in order to have the 'right to life' all must have a chance to work, or to *participate in the social plan* necessary to the well being of the individual and the social body.

● The situation through which we recently passed, when millions of people were without employment, is directly traceable to the fact that the 'right to life' set forth in the Declaration of Independence was not properly provided for in the Constitution.

● It is easy to understand, however, why this vitally important matter was overlooked in drafting the Constitution, because the opportunity for obtaining the necessities of life, if not the 'right' to them, did exist at that time. This was due to the vast continent of land and resources awaiting development and use. If an individual found no opportunity in the settled communities he had only to go west to find it.

● In the course of time this process was ended by the Pacific Ocean, and it is only in comparatively recent times that the problem of the 'right to life' through the right to employment has become acute.

● The development of modern technological methods of production has also contributed to the necessity for a revision of the social order, if the 'right to life' is assured to every citizen of the United States.

● Technocracy's Victory Program of Total Conscription of Men, Machines, Materiel, and Money with Profits to None and National Service From All is therefore not only the logical and necessary way

by which victory in the war can be won but it is the only way in which the 'right to life' set forth in the Declaration of Independence can be assured to every citizen while our people are so engaged.

● Furthermore the Victory Program of Technocracy is merely a continuation of the process which has been going on from the earliest days of our country. In the earlier years of the Nation a large majority of the people were engaged in agriculture, but following the introduction of steam power our social status, so simple at first, gradually developed into an industrial economy so complex that every person is an active participant of the present war either on the battle-field or on the home front. Since colonial days national and local governments have been obliged to take over, in the interest of public welfare, one activity or service after another in which private enterprise found no profit, or which it failed to conduct efficiently.

● The following partial list will show the process which it has been found necessary to pursue: Roads and highways, education, postal service, fire and police protection, libraries, sanitation, and more recently, conservation, irrigation, and power projects such as the TVA, Boulder Dam, Grand Coulee, and Bonneville plants.

● Government has also been forced, on behalf of public welfare, to impose regulations on various activities still in private ownership and operation, such as the Interstate Commerce Commission, banking, sale of investment securities, meat packing, canning, etc. In short, modern technological development has forced government into more and more collective activity in the interest of public welfare.

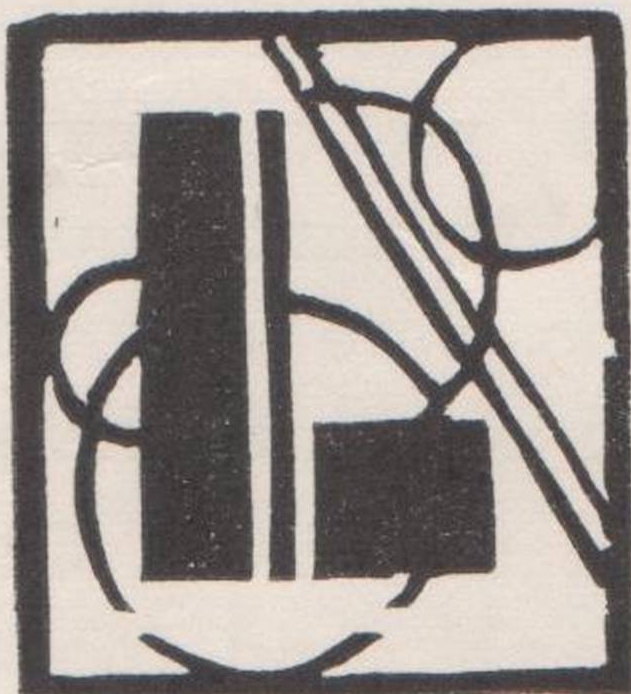
● Technocracy's Victory Program of Total Conscription of Men, Machines, Materiel, and Money with Profit to None, and with service from all persons between the ages of 18 and 65 years on the same basis as the Armed Forces, would therefore be only the continuation to a logical and practical end of the process which has been going on from the beginning of our Nation. It is also the logical development and complete realization of the principles set forth in the Declaration of Independence and is therefore the true 'American Way of Life.'

● What of Democracy and Technocracy? The so-called civilized world is embroiled today in a titanic struggle between two ideologies, usually called Democracy and Fascism. The difficulty with ideologies is one of the definition of words or terms.

Continued on page 8

MARKETS, BLACK and RED

One of a series of radio broadcasts being presented by R. D.'s 118-33, 118-34, TECHNOCRACY Inc.,
Pasadena, California



LESS than three months ago, from the stage of the Shrine Auditorium in Los Angeles Howard Scott, Director-in-Chief of Technocracy Inc. again voiced the very same warning he had issued to all his previous audiences on his annual speaking tour. Mr. Scott said, in effect, that within a very few months, unless we revised our national distribution system very radically, illegal buying and selling of many of the necessities of life, in absolute defiance of rationing and price regulations, would spread to every corner of these United States and increase to uncontrollable proportions.

● Neither Howard Scott nor any of the members of the organization which he directs possess any supernatural powers of prophesy. Technocracy simply applies scientific technique to a study of the trends in America's social order, which it watches. Technocracy does not prophecy: Technocracy predicts, and always these predictions are fulfilled.

● As the food and labor shortages commenced to become apparent, as attempted price and wage control became more rigid, in less than six weeks from Mr. Scott's address here, news originating from population centers up and down and across these United States, seemed echoes from the roaring 20's. The *bootlegger*, the *hi-jacker* and the *racketeer* ride again. In the 1920's Government's attempted prohibition of the manufacture and sale of alcoholic liquor was a complete and dismal failure. Today, Government's ill-fated efforts to make equitable distribution of the necessities of life in the face of increasing shortage of them, to control prices, without controlling production from the grass roots to the consumer, are resulting in much more serious consequences than its failure 20 years ago to stop the distilling and distribution of spirituous liquors. For now it is principally food, not beverage alcohol, that is eluding price restrictions and rationing regulations. It is the absolutely necessary fuel for the human engine that is being racketeered, that is being diverted from its normal channels, from produ-

cer to civilian and soldier consumer, into the so-called Black Markets.

- Early in January residents of Los Angeles got their first glimpse, right there, of one phase of the old criminal technique applied to new conditions and to different commodities. Even then, meat had, for some time, been scarce. Every housewife in the city was up early every morning to try and get her share. On January 7th the Los Angeles police joined the housewives in their daily search, for nearly 6000 pounds of meat had disappeared in broad daylight from a local packing house. The hi-jackers were on the job. The black markets were opening for business.

- At about the same time the OPA sent 15 trained investigators into the field here, to smash the already mushrooming bootleg market in poultry. On Jan. 11th in San Francisco, the Butchers Union, with representatives from California, Oregon and Washington, wailed that illegal meat markets were operating unchecked at many points on the Coast. On Jan. 27th another truck load, this time of poultry and eggs valued at \$2000, was hi-jacked in Los Angeles.

- In Chicago, by Feb. 7th, thirty-two slaughterers, wholesalers and processors of meat had been charged with price ceiling violations and a United Press Survey claimed that one million dollars, which would have been a very good weekly take even for Al Capone in his palmiest days, was going into the tills of the meat pirates there every Saturday night.

- By Feb. 10th in Detroit, according to an United Press dispatch from that city, major butchers had been obliged to close their shops, because the meat which they needed for their customers was being marketed through illicit channels, by-passing rationing schedules, and sailing high over price ceilings.

- In New York by Jan. 16th the Consumers' Union had reported that prices for meat had reached a point entirely beyond reach of families of moderate incomes; that thousands of families, there, could not afford even the cheapest cuts. The report stated further that only a small percentage of meat retailers in New York make any pretence whatever of staying under the price ceilings; that for weeks the marketing of meat had been under the open and brazen control of gangsters as lawless and shameless as the worst ones of prohibition years.

- *What a disgraceful national spectacle of a country in the throes of Total War these reports make! On many foreign battle fronts American blood and*

precious American manhood are now being traded for OUR security. In the RED markets of death abroad, the Armed Forces of this nation, with their very own lives, are BUYING the lives of Americans at home, while here in these United States BLACK markets flourish and grow fat; whereby food, a prime necessity of life, is withheld from the ones who need it, but sold in quantities to those who can pay the exorbitant prices. Black markets thrive wherein buyers and sellers alike repudiate and outrage the very principles for which our sons, brothers and husbands are fighting; whereby the supplying of sufficient food to these very fighting Americans is jeopardized; whereby equality of sacrifice is sabotaged and patriotism is sold out for profit!

- What are the causes of this shameful situation in a nation which we are told is fighting to assure all of its citizens, in fact all of the world, freedom from want. In the meat racket, cattle rustling, reminiscent of the old days of the wild west, is coming into fashion again, but with new and more efficient methods than in pioneer times. From various sections come reports of armed bands of men touring, in trucks, at night, rounding up strays, even cutting out beef on the hoof from herds, slaughtering in deserted barns or school houses and selling at high prices to butchers in town the next day.

- The boost in price the butcher pays is passed on to his clamoring customers with another substantial price lift for the retailer himself. Softer hearted or more timid rustlers sometimes even pay the farmer for his cattle, anything he asks. They know there is a market for it at any price.

- One fanciful feature of this whole curious picture of attempted price control, particularly of meat, is this one: The top price at which meat can be sold is firmly clamped on it at every stage of its progress from farm to kitchen—except—at the very first one. The farmer can legally sell his unslaughtered beef, pork, or mutton, for any price he can get. Cattle on the hoof apparently are presumed to be too lively and belligerent to be restrained by mere price ceilings!

- In other cases the retailer and the wholesaler connive so that both, with total disregard of price ceilings, can reap rich and rosy profits at the expense of Mr. and Mrs. America. The wholesaler, off the record, accepts outright and juicy bribes, or a devious device of some kind in book keeping is used to conceal the transaction from inquisitive OPA sleuths. Next the retailer, having paid for his

meat 40 to 100% over ceiling, is obliged to vault up through his own ceiling price if he is to make a profit. He knows how. There are several different methods. Up-grading of his merchandise is one way; short weighting is another; selling hamburger for ground sirloin is still another; or he can cast dull care to the winds and just add enough to his bill to cover both himself and his wholesaler for all the profit the traffic will bear.

- The retailers are throwing rocks at the large packing firms, claiming that many of them cut off certain retail centers from their legal quota in order to sell to restaurants and hotels at prices 'chimney high' above the ceiling.

- The Independent Meat Packers' Union is urging Congress to put price ceilings on livestock. They blame Government for the current situation in that this step was not taken long ago. OPA is considering putting price ceilings on livestock and putting the slaughtering industry under a licensing system, but the American Livestock Assn. is fighting these proposals tooth and nail, claiming this procedure will only add more confusion to the livestock industry with no effect whatever on black market operations.

- In the meanwhile Mr. Prentiss Brown, Price Boss Extraordinary for these United States, passes the buck to the public at large, for in Washington in his address on Feb. 21st he begged the American people to stifle the black markets because they aid the enemy.

- Of course black markets do aid the enemy, but one million or more full-paid full-time law enforcement officers could not stop grand scale bootlegging and racketeering of just one single commodity during prohibition days. As long as we, the American people, while engaged in a total war, attempt to effect equitable distribution of the necessities of life by a continuance of Price and Profit methods, by corporate and private buying and selling, by price and wage controls, *all* of the American people combined cannot stifle the black markets of America as Mr. Prentiss Brown so urgently beseeches us to do.

- This hindrance and all other hindrances to the successful conduct of this war for the extermination of fascism can be removed. They can be removed

by discarding for the duration our usual peace time methods of operating our economy, and installing in place of them an all embracing scientific design of national operation. Implicit in this program for victory, proposed by Technocracy, is the definite provision that our Government shall acquire title to all products of our mines, factories and farms at their respective sources, and thus have complete control of them through their processing, and direct control of their distribution, for use, or in the case of foodstuffs, for consumption.

- With this specification and all other provisions of Total National War Time Conscription in effect there would be no opportunity whatever for any one person or group to restrain the flow of food or other supplies to our Armed Forces or to interfere with our deliveries under our Lend-lease commitments. Nor would it be possible for one segment of our population to have all the food it wants while the majority can not even get what they need.

- This nation is staking its life, the lives of all of us and of the red blooded Americans fighting abroad, on a successful conclusion to this war. We betray them and ourselves while we tolerate black markets at home. To abolish black markets,—all of their causes and effects,—to protect all of us, to ensure victory, DEMAND TOTAL CONSCRIPTION.

—N. J. B.

AMERICAN WAY OF LIFE

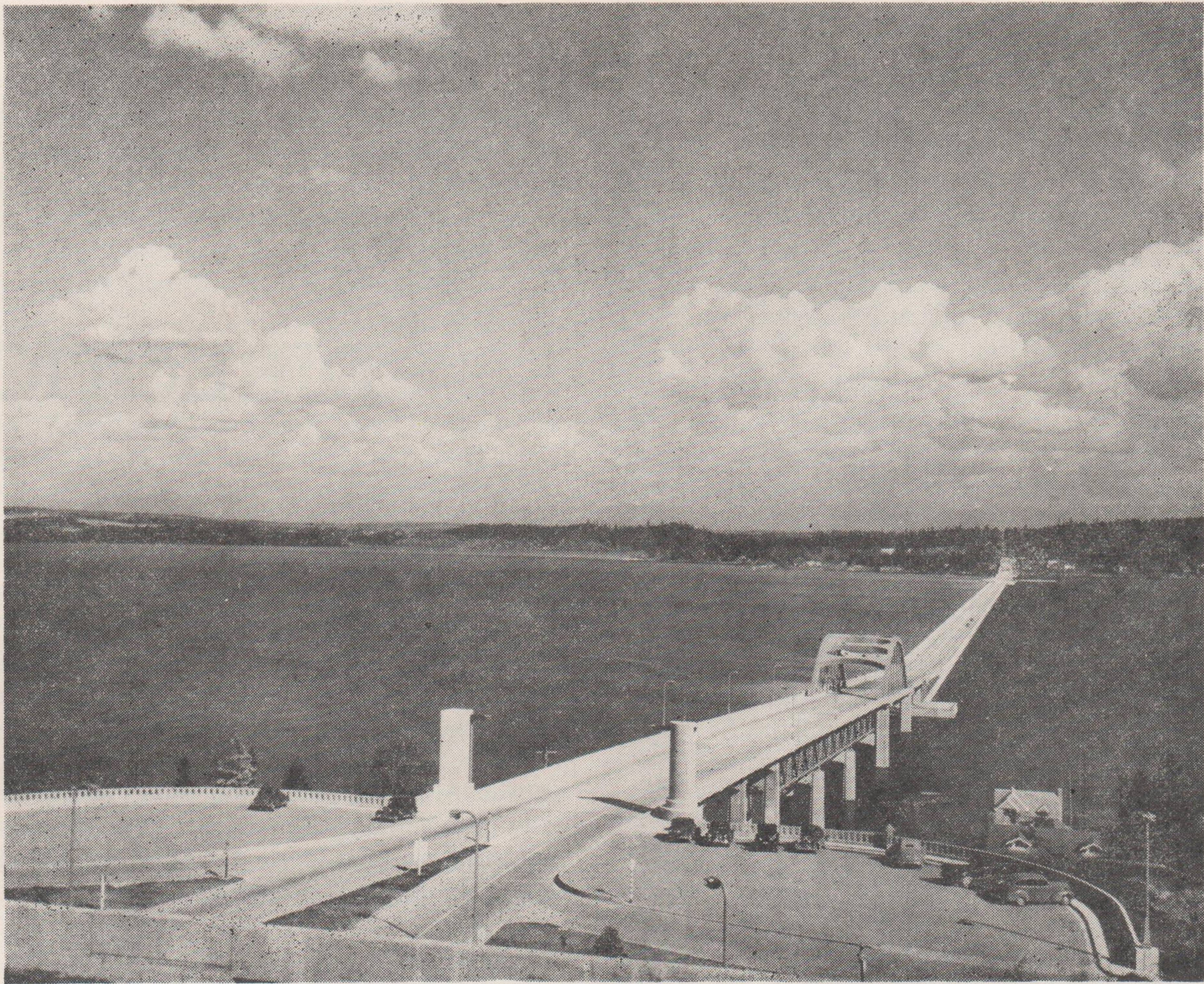
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Technocracy has always been concerned with physical and material realities,—things which can be weighed, measured, and confirmed,—and has avoided becoming entangled in intangibilities, such as ideologies and philosophies. Technocracy states clearly and positively that it is opposed to Fascism.

- As to Democracy, there are innumerable definitions, but if the following definition be accepted, it seems crystal clear that Technocracy's Victory Program of Total Conscription would be the full realization of this ideal.

- Democracy is a method of social and economic procedure which secures *equal benefits to all, and injury to none.*

—F. A. R.



LAKE WASHINGTON FLOATING BRIDGE

FLOATING BRIDGE

LAKE Washington Floating Bridge is a magnificent demonstration of what can be accomplished by modern technology. Made of hollow, water-tight concrete pontoons, it is by far the most economical type of construction and it is ideally suited to the lake conditions. Lake Washington has an unstable floor and it is doubtful that any foundation for concrete piers could have been found at any reasonable depth.

- The traffic lane separates in the section over the main channel, making a central well into which a moving section is floated, thus clearing the channel for the large sea going boats. The total length

of the entire project, including tunnels and approaches, is 34,021 feet, 6,561 feet of which is the actual Floating Bridge structure.

- During the early period of highway development the roadways followed the line of least resistance. With only slow moving traffic curvature and grades were not important. Modern traffic demands that all obstacles to speedy communication be eliminated. With the twin project of the tunnel system through Mt. Baker Ridge on the west shore of Lake Washington, this bridge saves 14 miles between Seattle and North Bend. It thus provides a direct route through the Cascades to points east.

DEMANDED --

DESIGNED

DIRECTION



AMERICA faces an internal and external demand for Total War. The facts behind this demand, and the physical changes which have brought it about, have in the past and still baffle our business and political leadership.

- Far-reaching physical changes have taken place within the past twenty-five years since World War 1, but our collective mental attitude remains much the same as then.

- Twenty-five years ago the airplane was a crude affair, effective for only short distances, and carried only a semblance of real armament. It was used mostly for scouting and observation. The thought that it would ever be the dominant weapon of war was not entertained except by a handful of men thruout the world.

- World power rested in the hands of the nation, or nations, having the most powerful surface fleet.

- War weapons, and war supplies, as well as the goods and services of peace, were produced virtually by hand methods, with hand tools.

- War was fought by hand to hand combat, in the trenches and woods. Many of the supplies for those in battle were carried over short distances. The war was concentrated in a relatively small part of the world.

- Most of America's fighting men and fighting equipment was transported to England for final training and preparation. The surface fleets of the Allies controlled the greater part of the ocean over which this movement traveled.

- The Armistice found the enemy's territory virtually unoccupied. The Kaiser fled to neutral territory and successfully resisted extradition, thus avoiding personal prosecution.

- We came thru the ordeal of World War 1 with our eyes still closed. The foundations of our civilization were rocked and crumbling, but our blind faith in the viewpoints of the past was unshaken.

- Then, as now, we were fighting, and had fought, to 'Make the World Safe for Democracy,' or 'The Four Freedoms,' or whatever elusive name we could attach to it. Then, as now, the surface fleet was believed to be the dominant weapon of war. Then, as now, the politician sat in the saddle. Then, as now, the motive of profit was in control behind the scenes in our personal, national and international life.

- When the Allies won the decision of a technical knock-out in the final round of that bout, we returned blissfully to the old concepts of peace.

- Private business, private profit, private chiseling, we reasoned, had built this nation to the position of the most powerful in history. Naturally, then,

we could and would go on to new heights of power and wealth, using the concepts and methods of the past.

- We had been able to increase our production for war to an unprecedented volume, even without the millions of men in our armed forces. The thought that this fact would alter the peace was farthest from the minds of the political and business controls, as well as from the man in the street.

- In order to make use of this increased ability to produce, we supplied the nations of the world with the goods and services from our farms, mines and factories. Emissaries of business traveled the trade routes of the world and opened up new roads. All peoples were our friends, if they bought from us. If they had no money we supplied them with long term credit, or bought certain of their products at a price sufficiently high to enable them to purchase from us.

- Germany, Italy and Japan were not left outside our largess. We supplied them with materials, machines and technical skills, whenever possible. Our corporations entered into agreements with them, restricting world markets, and even our own markets, to the advantage of foreign interests.

- Thruout the thirties rumblings of war were heard on all fronts of the world. Japan invaded China, Italy entered Ethiopia, Germany engaged in political and military aggression thruout Europe. In face of this unrest and wanton aggression, we continued to supply the power-mad nations, leaving our own protection and defense to a minor role.

- When, on Dec. 7, 1941, war came to our own shores we found ourselves facing a problem of new and terrifying magnitude. From a nation coasting along in a half-hearted attempt to remain neutral in a world at war, we landed squarely in the middle of the blazing inferno, with our heads in the clouds.

- Were we not the most powerful and wealthy nation in the world? Wasn't our Navy ready for any eventuality? Weren't we producing bombing and fighting and patrol planes? Weren't we building a massive army of trained soldiers? Why, any time the Japs were ready we could whip them before breakfast! Our frontiers were the seven seas, and we were ready to maintain those frontiers—or so we said.

- Dec. 7 brought a rude awakening. Our shores were not impenetrable. Our Navy was not capable of whipping the Japs before breakfast. Our

bombing planes lacked the range and carrying power required in a world war. Our fighting men were the finest in the world, but they were not equipped and ready for the job to be done.

- A large part of our fleet was destroyed, or severely damaged. We sustained a greater loss of life of naval men on that first day than thruout World War 1.

- Other losses came swiftly,—the Phillipines, Wake Island, Guam, Singapore, Hong Kong, New Guinea, various islands of the Pacific—more men, more planes, more ships.

- As the first days of the war crowded one on the other, and crisis followed crisis, we began to feel the pressure of a new situation. The significance of air power began to beat itself thru our armor. The damage to our navy at Pearl Harbor was done by air power. Our losses were directly traceable to the lack of a balance of air power in our favor—and our successes were directly traceable to a sufficient local air strength.

- The inability, or difficulty, of supplying our armed forces by the use of surface vessels, forced us gradually to realize, to some degree, that the old concepts must go.

- Today the airplane is the dominant weapon of war. Today that weapon must be designed to fit the problem at hand. Our world strategy must be based on that fact, and our production, transportation and fighting must be planned in recognition of the changes of those twenty-five years.

- Unlike twenty-five years ago, our production is now accomplished by the use of more extraneous energy, more machines, more mass production, less and less man-hours per unit.

- Our fighting men and fighting equipment are sent directly to the fields of battle, in many cases. War is being fought on vast fronts, in many parts of the world.

- Today there are no neutral countries. Even Switzerland is virtually an armed prison camp. There are no non-combatants. The war is reaching into the lives of men, women and children thruout the world.

- The effects on our civilian lives are being felt more and more each day. 'Food will win the war.' We're beginning to wonder 'What Food?', for the vital man-power of our agriculture has been drained indiscriminately by war industries and the armed forces. 'What food?', for the technological equip-

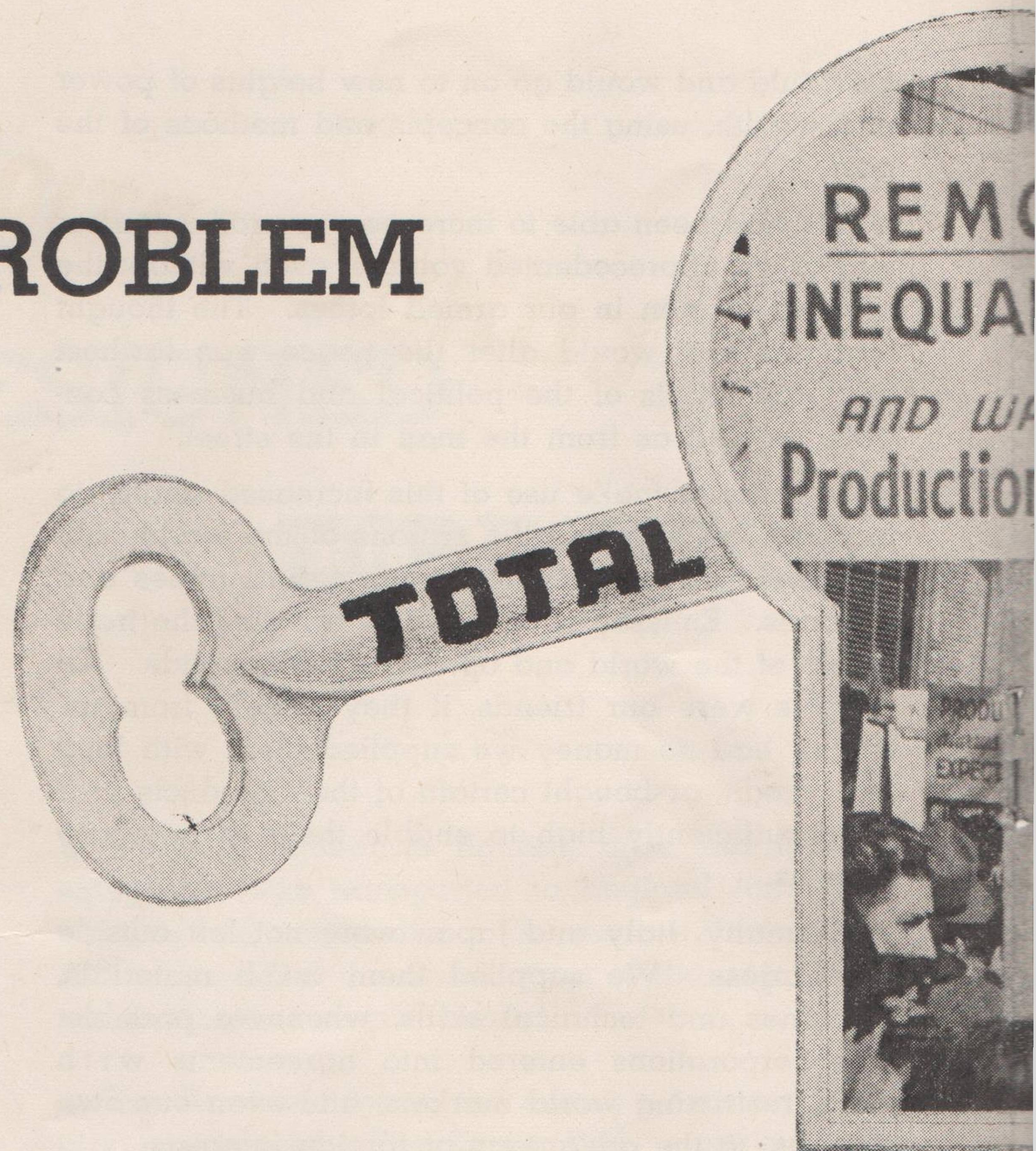
(Continued on page 18)

THE KEY TO LABOR'S PROBLEM

THE picture in the upper right shows the overflow of Boeing workers who were unable to get into the Senator Auditorium in Seattle at their mass meeting on Friday, February 26th, 1943. The large picture at the bottom shows the huge crowd of Boeing workers assembling at the County-City Building where they were addressed by Mayor Devin.

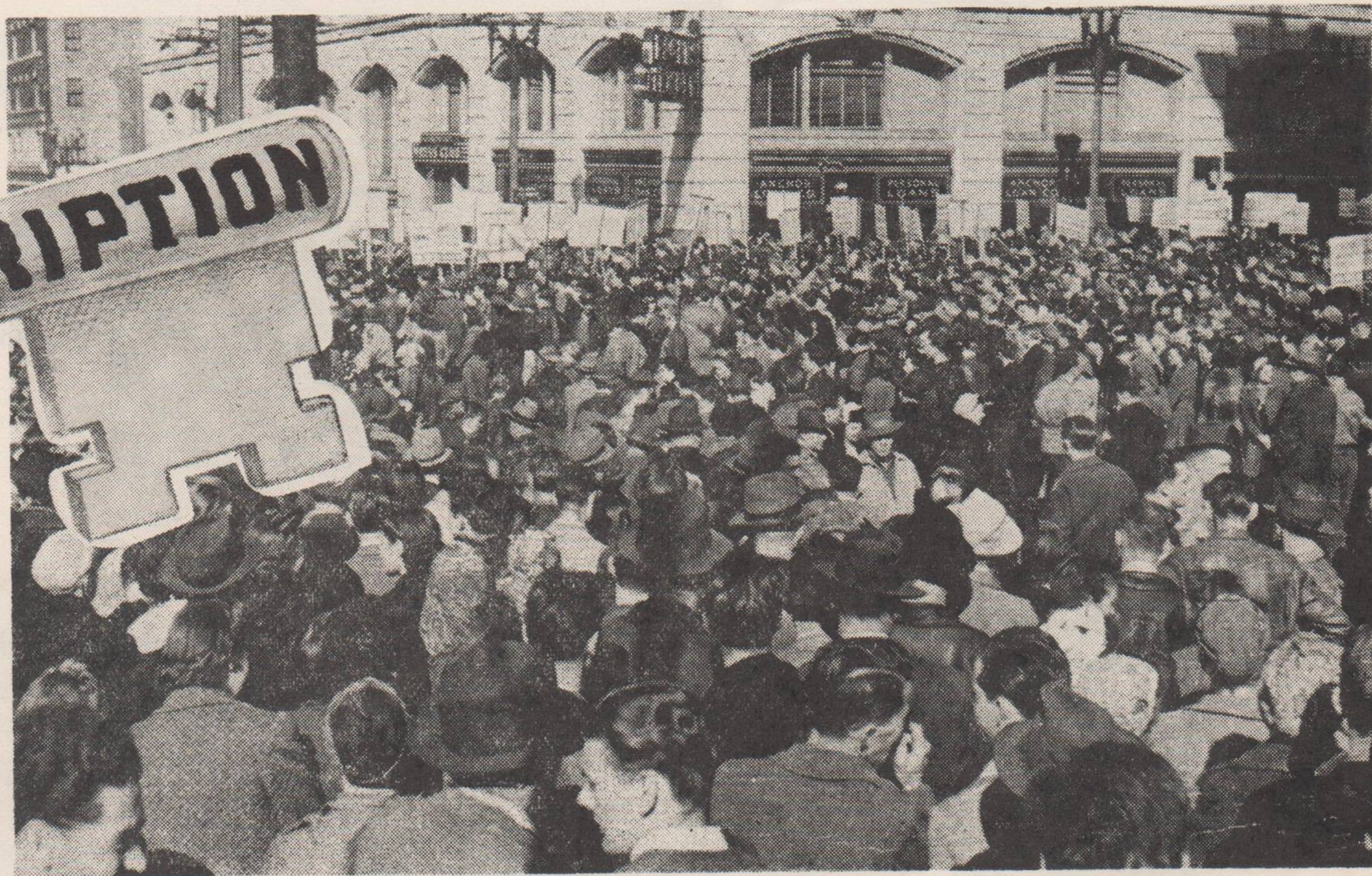
● Contrary to other publicity these Boeing employees were not on strike but were merely attending a mass meeting in protest against the lack of action by the War Labor Board in the Boeing Wage Settlement.

● The KEY to such situations would be Total Conscription of all Men, Machines, Materiel and Money with National Service from all and Profits to None. Total Conscription would remove all these inequalities and allow production to soar; win the war and the peace to follow, thereby saving the lives of our American boys.

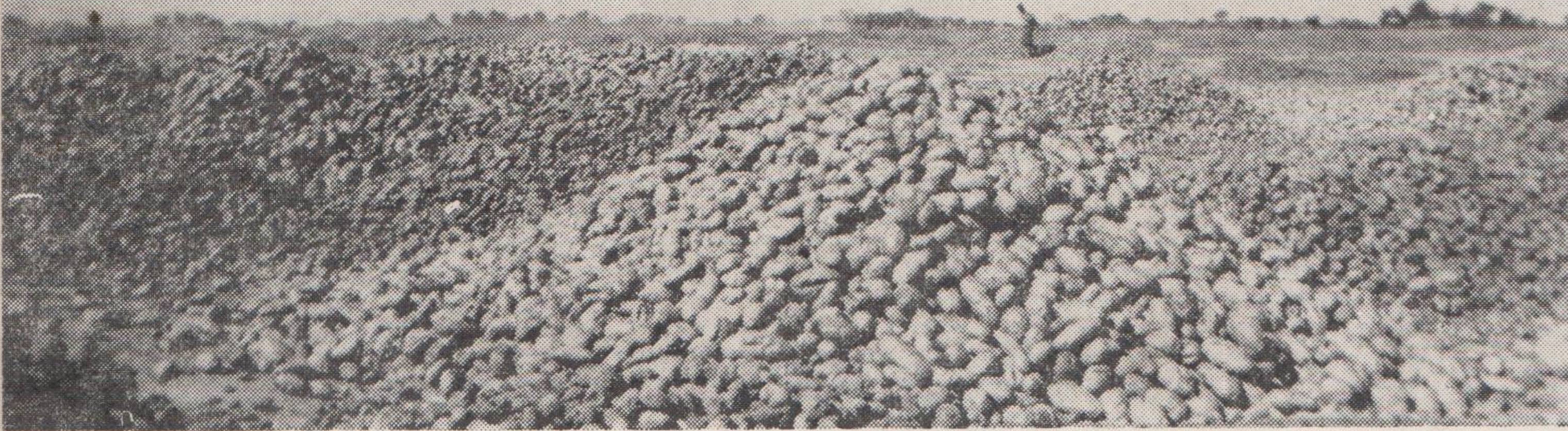




CONSCRIPTION



APRIL, 1943



Photos left and right: California's 1940 record crops of potatoes and onions are dumped to keep up the price. Photos courtesy The Technocrat Magazine.



LOOK at the pictures on this page and try to visualize how quickly the scene changes in our land of potential abundance. Taken but a few years ago, they show our America of yesterday when thousands of tons of food products in California alone were being ruth-

lessly dumped out to rot in order to appease the God of Price. To make doubly sure that none of the oranges would be eaten by human beings whose systems were literally starving for the essential vitamins contained therein, dirty, black fuel oil was poured over them.

- All that is vastly changed today and we are faced with mounting shortages of our most vital foods. These shortages are not due primarily to the lack of total food supply at its source but to other causes which will be developed.

- According to a report of the Department of Agriculture for February 1 the total of farm workers is now down to 8,400,000, the smallest since 1924 and some 2,000,000 less than one year ago. And government experts estimate that at least 1,000,000, and probably more, may leave the farms this year. Against that dangerously low figure the Department of Agriculture admits that between 11,000,000 and 12,000,000 workers will be needed this summer during the main harvest season on major crops.

- As reported in the Christian Science Monitor of February 25, Food Administrator Wickard in testifying before a Congressional committee the previous week admitted that he did not know where he would find the necessary farm labor. He further said that many of them would have to be women and many school boys, but that those would not help the shortage where skilled men are needed in dairying, meat production, etc.

- Further light was shed on this by an article in the C. S. Monitor of March 6. 'When Senator Gerald Nye said he was satisfied there wasn't going to be enough food to go around, Mr. Wickard replied:

- ' "We are not going to have enough to satisfy the demands and it is a question of how much we can produce" "We can never satisfy the demands." "

- ' "Wouldn't we be honest to ourselves and everybody else if we admit right now we cannot increase last year's acreage?" Senator Nye asked.'

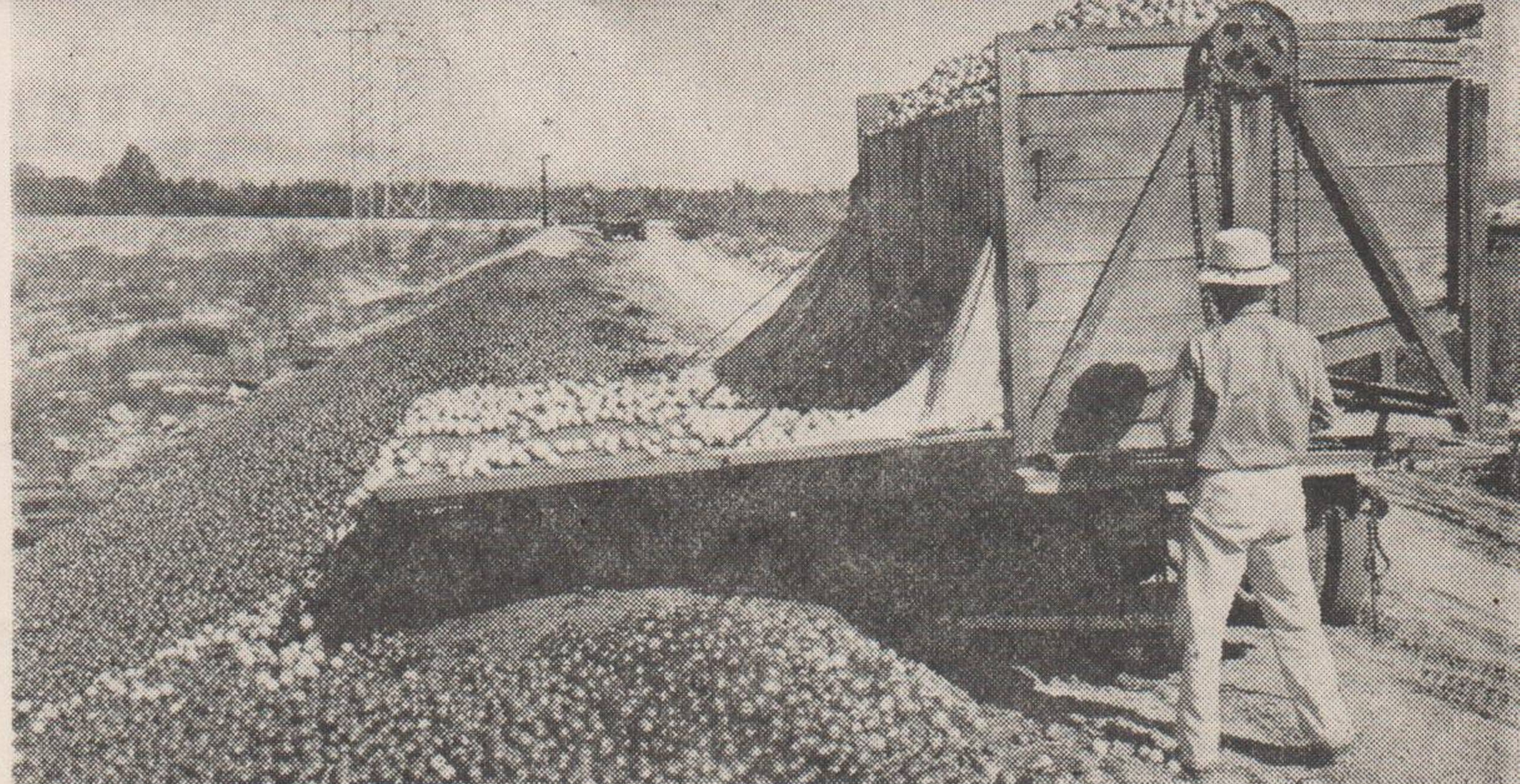
- ' "The prospects are that we cannot; that is right," Mr. Wickard replied.'

- 'The Senator cited reports received by the committee from county farm agents in which 80 per cent of those reporting forecast a cut in food production.'

- How rapidly people have moved away from farms in the State of Washington is shown in census figures of two counties. From April 1, 1940 to May 1, 1942, Whatcom County, where the predominant farming activity is dairying, lost 6,000 people. In the same period some 10,000 people moved out of Yakima County, which is devoted chiefly to hay, grain, potatoes, sugar beets, asparagus and fruit. It is quite certain that production of food in those two counties will be materially reduced.

- Following its usual custom of locking the barn door after the most valuable horses have vanished, the War Manpower Commission finally issued an order on March 7 to draft boards to defer farm labor from induction into the armed forces. But nothing is being done about the thousands all over our country who are leaving every month to get higher paid jobs in the war industries. So they have actually locked only the front door and left the back door wide open.

VANISHING ABUNDANCE



MACHINERY SHORTAGE:

● In addition to the labor shortage another factor greatly aggravates the problem. As pointed out in the Northwest Technocrat for December, we showed that the amount of farm machinery now being manufactured is only 20 per cent of the 1940 total. Yet during the past two years most of the farm implements have been deteriorating more rapidly than usual. This is due to the fact that out of the 2,500,000 who have left farms there was a high percentage of the better mechanics needed to keep farm machinery in good working condition.

● According to the Seattle Post-Intelligencer of March 11, on one item of food we may expect a reduction in total supply if such practices are long continued. It said, 'Thousands of one-day-old cockerels are being drowned at the Petaluma hatcheries every day' because price regulations are choking off the broiler business. N. O. Thompson, partner in the Poehlman Hatchery, said his own hatchery was drowning them at the rate of 3,000 per day.

● "Because of this practice San Francisco will lose about FIVE MILLION POUNDS of broiler meat in the next three months," he asserted.'

● The same old story again! Right now when we are faced with shortages of many foods, we find scarcity being deliberately created on a flagrant scale in order to appease the insatiable appetite of the God of Price.

● The following figures taken from the Business Week magazine of February 27 give the Department of Agriculture's estimate of the change from 1942, and in some cases from 1935-39, averages in the amount of food expected to be available in 1943:

Beef, less 3% from 1942 but 6.7% more than the 1935-39 average.

Pork, plus 2% from 1942 but 17% greater than the 1935-39 average. (You recall that the government was killing millions of little squealers then for the usual reason responsible for all artificial scarcity—appeasing the God of Price.)

Cheese, less 25% from 1942 but 14% less than the 1935-39 average.

Total Milk, less 9% from 1942 but only 4% less than 1935-39 average.

Butter, less 20% from 1942 but 24% less than the 1935-39 average.

Canned fruits, less 54% from 1942, 55% less than 1935-39 average and 64% less than the amount in 1941.

Canned juices, less 24% from 1942. The total amount of canned fruits and juices needed for military and Lend-Lease demands is increased from 30% of total supply in 1942 to from 50 to 60% in 1943.

Leafy, green vegetables, less 17% from 1942.

Melons, less 19% from 1942.

Canned vegetables, less 35% from 1942. On the last three items the figures are for the fiscal years ending June 30. No comparisons made for 1935-39.

Wheat, plus 5% from 1942.

Potatoes, plus 4% from 1942 and only 3% less than 1935-39 average.

QUANTITY VS QUALITY:

● Briefly analyzing the above we can see that the diets of millions of people are bound to undergo a rapid change for the worse before this year is over. With their systems craving the essential vitamins contained in the fruits and vegetables of which there is a greatly reduced supply available for consumption, and less butter, required for heat and vitamins, we may be forced to adopt a diet con-

taining an excess of starchy foods, such as potatoes, wheat and other cereals of which there is still an abundance. This change in diet is doubly serious due to the fact that soon most of the population will consist of those below 18 years and above 38 years old, plus the millions of men who were in such poor physical condition that they failed to pass the examination for the armed forces. The fact that there was a higher percentage of rejections of men between the ages of 18 and 38 than there was during the last war of those between 21 and 45 indicates very plainly that the average standard of health was not up to that of twenty-four years ago, in spite of frequent boasts to the contrary. This forced substitution of a diet containing an excess of starchy foods instead of a properly balanced diet with plenty of fruits, vegetables and meats is certain to result in lowered vitality on the part of millions before another year rolls around.

HOUSING AND SANITATION:

- The above situation in regard to diet is greatly aggravated by the crowded housing conditions in all war production centers and the increasing unsanitary conditions existing in many large cities. On March 17 the Seattle Post-Intelligencer said:

- 'Public health officials yesterday expressed grave concern over the refuse problem in the war-swollen cities and towns of Puget Sound. A critical shortage of garbage cans endangers the health of Pacific Northwest residents.

- 'Unable to procure cans, merchants and residents are putting refuse in open pails and other makeshift containers, and it is scattered on lawns and alleys. Health officials decry the situation, point out that such situations make ideal breeding ground for rats, flies and mosquitoes.'

- In Tacoma the situation is even more serious than in Seattle. A. W. Green, sanitary engineer for Tacoma, said, 'Twenty-five men have been working intensively for three months to gain control of heavy rat infestation in this city. This rat population is known to be infected with black plague. The infection is so heavy that the national health authorities are threatening to quarantine the port against all transportation.'

- The fact that very inefficient distributive mechanism is chiefly responsible for the small amounts of some foods available for consumption is graphically shown by the present situation. According to the United States News for January 8 the civilian

supply will be reduced only from 15 pounds as of 1942 to 13 pounds this year. That would seem to cause no alarm. What is the actual situation in Seattle? For many weeks we have had serious shortages of butter when people had to stand in line to get a half or quarter of a pound. On March 20 the crowds were so great at some of the meat and butter stores that at one place the police had to be called out to keep the crowds in order. At that store the sidewalks were jammed for half a block when the store opened and the line never slackened till 6:00 p. m.

- Remember, all that occurred in the State of Washington which ranks third highest in the nation in milk production, per capita. In 1940 Washington produced 1177 pounds per capita compared to 585 pounds for New York and 480 pounds for Pennsylvania.

- Another flagrant example of faulty distribution also occurred here on the Pacific Coast. Three hundred and fifty tons—700,000 pounds of butter were shipped to Nome, Alaska. The shipment also included 173 tons of coffee, 78 tons of salad oil, 59 tons of soap, 103 tons of rolled oats, 503 tons of canned milk, 70 tons of canned pears. The population of the whole Seward peninsula is only 1200 people, so that figured out as ONLY 583 pounds of butter for each inhabitant. But, according to those returning from Alaska most of the butter shipment was left on the beach in barrels of brine which burst and the majority of the shipment was spoiled.

- You may well ask if there is not some logical solution for this highly critical situation of rapidly dwindling food supplies for the consumer with only slightly reduced amounts at the source. There is:—the adoption of an over-all plan of designed direction known as Total Conscription.

- You will recall that in the first part of this article it was stated that Mr. Wickard told Senator Nye that we could not increase *last year's acreage*. For several reasons, under Total Conscription it would not be necessary or even desirable to increase the acreage but the total crops could and would be increased.

- 1st. Under Total Conscription the Government of United States would conscript for farm labor the necessary amount and type of laborers. There would be no sudden abandonment of countless thousands of acres of well-equipped large farms—15,000 acres of sugar beets alone in California—

with many of the people permitted to rush to the war production centers. Then, the desperate attempt to raise a few straggly vegetables in little garden plots—Victory Gardens—mostly by people with little if any fitness for the task, with much waste of seed, hoes, rakes, shovels, etc., would be eliminated.

● 2nd. Under Total Conscription, the Government of the United States would conscript not only all the farm implement manufacturers but the steel and other metal manufacturing industries as well, so there would be no need of a shortage of farm machinery. Much of the material now being used for garden plot work could better be converted into large farm implements.

● 3rd. Under Total Conscription, the most modern methods of agrobiology would be used. It has been proven that yields of some products are increased several fold by such scientific methods. (The extensive use of agrobiology has been advocated by Technocracy Inc. for more than eight years.)

● According to the records of actual field results of leading agrobiologists here are the increased yields of three important products: From a present average yield throughout U. S. of 11.1 tons, sugar beets have been increased to 42.3 tons, nearly four fold; sugar cane from an average of 16.4 tons to 180 tons, more than eleven-fold; and potatoes from 114.9 bushels to 1156 bushels per acre, or more than ten-fold increase.

● 4th. Under Total Conscription, the Government of the United States would conscript and efficiently operate without the present duplication and waste, all the railroads, steamship lines and truck lines. All the necessary raw materials, such as tractors and other machinery would be supplied to the farms in the shortest possible time. Since the Government would also conscript all farm products at their source they would be quickly and efficiently transported to the waiting public.

● If you really are anxious to see this chaotic and highly critical food problem solved in the right way, by all means read and study Total Conscription. It is absolutely certain that if it is not solved in the very near future it will inevitably cause a complete demoralization in our whole mode of living and a breakdown of our entire war production program before the end of this year. Something must be done and very soon.

—R. T. K.



See Page 6

WATCH SPAIN!

(Continued from Page 3)

● Just how much of the goods we ship to Spain reaches the Nazis we cannot say, but it certainly makes exportation to Germany easier, and it is possible that American oil is being used to refuel German submarines in Spanish secret bases. The fireworks may start in Spain before this reaches print, and the American Army in North Africa may thank the shortsighted appeasement policy of their own Government, if it is not indeed a deliberate sell-out, for their dangerous predicament.

● Our government should avoid even the appearance of evil if it wishes to escape criticism. The front page of the article shows a picture of Hitler shaking hands with Franco, and that's enough to give the whole subject of our trade with Spain a definitely disagreeable odor.

● We suspect that profit was the incentive for sending supplies to Spain. If so, then the adoption of Total Conscription of all our resources and of Men, Machines, Materiel and Money, with Service from All and Profit to None would prevent such questionable activities and ensure that in case it were thought necessary to send supplies to any nation no ulterior motives would underlie the action.

—R. N. E.

DEMANDED, DESIGNED DIRECTION

(Continued from page 11)

ment necessary for mass production of the food volume required for America and her allies is restricted and entangled in a maze of red tape and bureaucracy.

● 'Transportation will win the war!' 'What transportation?', as the vital rubber for our rolling stock is still being sabotaged by the interests and powers adverse to an American independence in rubber. 'What transportation?', as the pipe lines so necessary for the efficient movement of our liquid fuel are blocked by those interested in other modes of transportation.

'Health will win the war!' 'What health?', as our medical and dental skilled are being drafted for the armed forces, with no coordinated thought of the problem as a whole.

● 'A million plans for details, but not one plan for the whole.' That was true 25 years ago, and it is terrifyingly true today. Each problem of our civilian and military life is taken up with no thought of its relation to the other problems. Slowly, but surely as the passage of time, the facts are drumming their way into our consciousness. We're beginning to realize, individually and collectively, that the magnitude of the physical equipment of this continent—of winning a world war, and a world peace,—demands a coordinated plan of equal magnitude.

● We are beginning to realize that modern war affects civilians far from the battle fronts, and that those civilians have just as definite a part in winning the war as the men and women of the armed forces.

● We are beginning to realize that only by making it 'all for one, and one for all' can we do this job. Only by conscripting the dollars, and the machines, as well as the men, can we accomplish the coordination necessary.

● Political and economic pressure and motives have and still do obstruct our efforts. The problems of modern war are beyond the scope of political wishes or financial power. The opinions of all of us do not alter the facts. America's fighting machine, at home and abroad, must be operated, and directed, by those who know the job to be done; not by those who have personal or economic interests in the modes of the past.

● We Americans must choose, and soon. Rationing—conscription of labor only—buying of War

Bonds—higher taxes—cancellation of past taxes—piece-meal monetary control-political-trades and bickering—bureaucratic red-tape—these outmoded methods cannot solve this problem.

● We must freeze the monetary structure, as it stands—conscript all men (and women), machines and money—put everyone, civilian and military alike, on the same basis of pay as our armed forces—place men, and women, on the job to which they are best fitted—make National Service the motive, rather than private profit—make the winning of the war, and the peace, in the quickest possible time, the No. 1 objective of every American, regardless of age, education, vocation, wealth or position.

● We must, eventually, adopt the Victory Program of Total Conscription. Your life and well-being, the lives of many of your loved ones, will be sacrificed thru any delay. Eventually, why not now! That is your choice, America!

—L. J. D.

NATURE'S LAWS

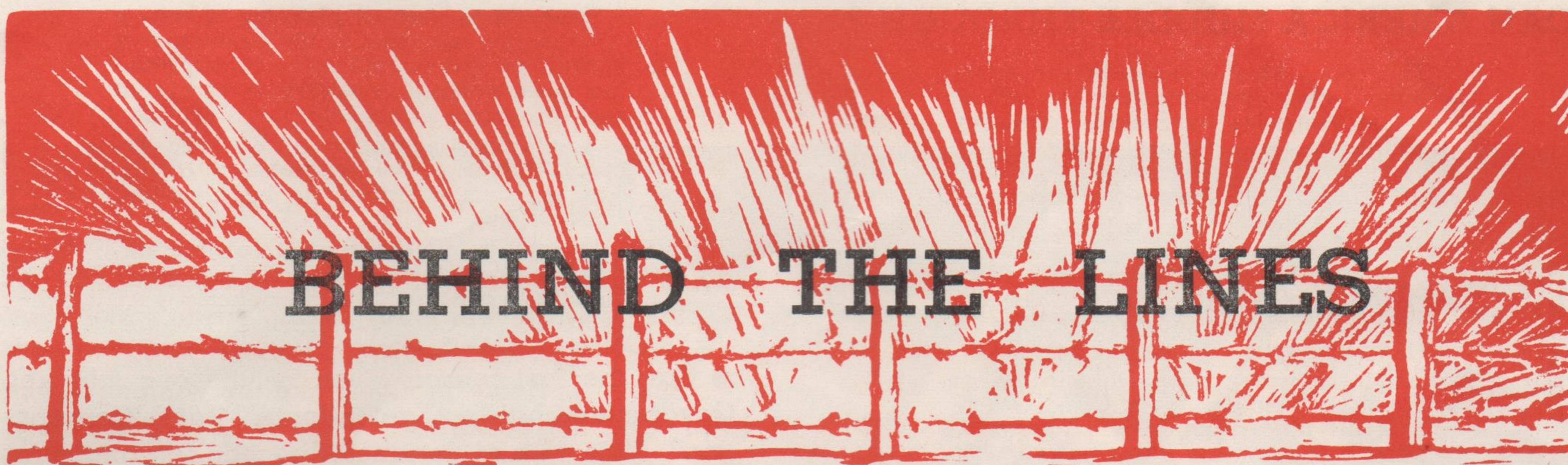
Earth, though free, forever must obey
Laws that swing it onward, day by day.
Laws of ceaseless motion, matter, force,
Fixed its changeless orbit, hold its course.
Nature's laws, in every sphere, attain
Unity of order, function, plane.

Man is just as physical as earth.
Matter gives him body, food, and birth;
Nature's laws mature his form and mind,
Make him shy or bold, a fiend or kind,
Grant him happy days of strength and health,—
Nature's priceless bounty,—life's real wealth.

Every impulse, thought, emotion, act,
Springs alone from energy's impact,
Charging muscle, organ, cell, and gland,
Instantly for use at life's demand.
Nature's laws decree his life, and death,
Guide his steps, and draw his every breath.

Nature's laws cannot be set aside.
Penalty is paid for each defied.
Barred from energy for need's behest,
Want is bondage, liberty a jest.
Life is first, with energy its cause.
Freedom comes the gift of nature's laws.

—L. E. F.



BEHIND THE LINES

TIN SHORTAGE THREATENED

‘ORURO, Bolivia, March 11.—Decreased tin production during 1943 is predicted by Bolivian mine operators. This decrease may seriously affect America’s war production since Bolivia, aside from a very small Nigerian production, is the only source of tin available to the Allies.’

Mine Exhausted

‘The foreseen tin decrease, mine operators agree, is due primarily to the exhaustion of tin veins and reserves. In the past ten years average tin content of ores mined has dropped from 8-10 per cent to the present general average of 2-3 per cent. No new mines have been discovered in Bolivia and tin looks forward to a blackout.’—Seattle Times, March 11, 1943.

- Of course there is tin in Juniper Ridge, Oregon, as was pointed out nearly three years ago by Technocracy Inc. The tin trust wouldn’t ‘like’ to have it developed, however, so there it lies.

AGAIN, A FLYING WING

‘At Wright Field. Lieut. Gen. Henry H. Arnold wasn’t just talking when he said the 30ton Flying Fortresses and Liberators are the last of the small bombers. New bombers are on the way that will double and redouble the present range and striking power of our sky battle-ships.

‘For one thing, designers are passing the limits of what they can do with the present familiar type of plane design built around a long, tapering fuselage. So they are turning to new and unconventional structures, such as adaptations of the “flying wing” idea; to “pusher” engines in the rear of the wing, replacing “tractor” engines in the leading edge of the wing.’—From Science Digest.

- More talk about the Flying Wing. Maybe they’ll build some, someday.

SHADES OF FASCISM

‘OTTAWA, Can., Feb. 17—Canada is going to make an immediate start in putting into effect its compulsory work policy, it was revealed this week by Labor Minister Humphrey Mitchell.

‘As a sort of “feel-out,” only a few thousand men “at the most” will be called, he said. They will consist of workers eligible for military draft, but for various reasons have not been required to report for service. There are more than 30,000 in this class available as a potential work army, Mitchell explained.’—March 13, 1943.

--Seattle, P. I.

- If labor is drafted in Canada to ensure more profits for private industry, how far off is fascism? This was the method adopted in Germany and that was the end of unionism. Are American unionists alive to this implication, and will they insist on Total Conscription as the only method that would ensure equality of sacrifice?

WILL TAXES ‘BEAT THE AXIS’ ?

‘CHICAGO, March 12.—(AP) — Mariner S. Eccles, chairman of the nation’s Federal Reserve System urges a reduction in American living standards to “spartan levels” and believes “we should aim at raising taxes and compulsory savings equal to at least half our expenditures.”

‘To raise a larger part of the \$100,000,000,000 required by the government in 1943, Eccles suggests a 30 per cent withholding tax on all income over tax exemptions to bring United States levies up to those imposed in Britain and Canada.’—Seattle Post-Intelligencer.

- Mr. Eccles says a 30% tax must be levied on all taxable income or we will reap an economic whirlwind. He wants to reduce American living standards to ‘spartan levels.’
- Again we say, ‘Install designed direction or face disaster.’

CAN AMERICA MUDDLE THROUGH ?

'The thesis that America's war effort is bigger than the economy can stand, was told yesterday by Sheridan Downey of California, in a report to the Senate Military Affairs Committee of a one-man study of the West Coast situation.

'Senator Downey declared the Pacific Coast situation was "critical, demoralized and chaotic," that "hundreds of thousands of people on the Pacific Coast are now going hungry," and that we face "a crashing economy—it's already crashing."

'Senator Downey gave a detailed report of conditions on the West Coast, where he said the food situation is dangerous** and the transportation situation worse.** (See 'Vanishing Abundance' in this issue) California needs 150,000 extra farm workers permanently, besides another 165,000 migrant workers at harvest time. Lacking these he forecast farm production only 75 to 80% as high as Secretary of Agriculture Wickard urges.

'On railroads he charged there has been over the past 90 days, "a steady accumulation of unused war shipments," while railroad cars are backed up as far as 125 miles, he charged, waiting for a chance of unloading at San Francisco.

'To this picture Senator Downey added that officials of the railroads and truckers told him it would be "totally impossible" to move any food supply if, in the coming year, they had to move the soldiers and war goods they had been told to expect.'—Christian Science Monitor, March 11, 1943.

KEEP LOOKING

Co-ordination Urged

'Murray declared that lack of a co-ordinated program for the most effective utilization of all the nation's resources has been the chief hindrance to the war effort to date. The C. I. O., he said, has been urging a co-ordinated over-all program since long before Pearl Harbor.

'"We have reached the stage where we must recognize that our nation must be organized as a unified production and military unit," he said. "National mobilization demands a nationwide planning and utilization of all the material and human resources of the nation."—Seattle Star, March 13, 1943.

- Att-a-boy, Phil! You seem to see part of the picture. If you keep looking perhaps you'll see Total Conscription eventually.

LACK OF PLANNING

'The special Senate group, headed by Senator Truman, returns again to its central attack on the weaknesses of the domestic war effort; confused and conflicting management.

'The three basic weaknesses which Senator Truman and his associates cite are these,

'Inadequate over-all planning within Government agencies at the beginning of various programs, and delay in determining basic policies necessary to carry out such programs effectively.

'Conflicting authority over, and responsibility for, various phases of the war program, resulting in delays and buck-passing.

'Hesitancy of Government to adopt unpopular or unpleasant policies long after the facts indicated such policies were necessary.'—Christian Science Monitor, March 12, 1943.

- Can the last reason given be the one why the Government has not yet adopted Total Conscription? This plan of designed direction for Total War has been continuously advocated for nearly three years and is well known to and favorably received by millions of people but it is naturally still unpopular with some large business interests who would lose some of their lush war profits. Must our war effort continue in a condition amounting virtually to a stalemate in the main, as it has for several months due to increased submarine sinkings and other factors, before those business interests suddenly discover that their billions in holdings would soon be wiped out if we should start to lose on a considerable scale? That could happen within a few months unless some drastic action is taken to prevent our entire war production and transportation efforts from complete breakdown in the very near future.

PATRIOTISM APPEAL WORTHLESS

'HUGE BLACK MARKET IN GASOLINE IS CHARGED.'

'The Chicago Sun said today that an "enormous black market" in gasoline threatens to disrupt rationing in Chicago.

'The Sun said it learned by investigation that one out of every four gasoline stations is willing to sell gas to motorists who claim to have used up their stamps.

'The Sun said its investigation also disclosed:

"Evidence of widespread activity in the buying and selling of ration tickets.

"Almost every station operator willing to sell gasoline in exchange for loose ration coupons of all types.

"Not a single retailer who paid any attention to THE FACT THAT CARS DID NOT HAVE EVEN RATION STICKERS ON THEIR WINDSHIELDS."

—SeattleStar, March 29.

- The immediate adoption of Total Conscription would soon put an end to flagrant abuses such as exist in Chicago and to the imminent chaos and demoralization which exists in much of our war production program today.



GENERATOR WATCHMAN

'An automatic electrical "watchman" the size of a large box camera has been discovered by a Pittsburg research engineer to jot down a warning in red ink when it detects vibrations that might eventually cripple a power-producing machine. Harry G. Werner, "machine-quake" expert at the Westinghouse Research Laboratories, devised the instrument—a midget sized generator of electricity—to measure in thousandths of an inch the slightest tremors in the spinning shafts of turbo-generators. By discovering quivers in shafts turning at 3600 revolutions a minute and recording a warning, the detector provides a perpetual diagnosis of giant power-house machines.'—Scientific American, March, 1943.

● America's technology is speeding up. The installation of the above electrical 'watchman' not only cuts down the number of man-hours of work required in the operation of the generator but also the man-hours required in repair.

PLASTIC BEARINGS

'Large rotary fruit-juice extractors, capable of turning out 200 gallons of citrus juice per hour, now depend on self-lubricating bearings of Lucite methyl methacrylate resin to keep going in wartime. Faced with a shortage of bronze bearings, one machinery manufacturer, after several months of exhaustive trials with new materials, found that, in addition to

outwearing other types several times, bearings fabricated of "Lucite" were actually lubricated by contact with citrus juices and periodic steam baths—two things that always shortened the life of bronze bearings. Du Pont chemists have been advised that the new bearings are equally resistant to orange, grapefruit and lemon juices. "Lucite" is now on high priority—available only for the most essential uses.'—Scientific American, March, 1943.

● To speed the production of necessary food we are turning to the use of new products, which are available and prove capable of performing the function, as in the replacement of metal bearings with plastics.

PROPELLER BLADES

'Heating an airplane propeller-blade shank for two important forming operations in approximately one-fifth the time formerly required, is said to have resulted in one of the most time-saving procedures to be adopted in wartime plane production. The shank is heated by the Tocco process of heating by electrical induction, a method originated by Ohio Crankshaft Company.'—Scientific American, March, 1943.

● In the search for more time to perform necessary jobs we are introducing new methods,—methods we would have reluctantly adopted or completely ignored if events had not compelled their installation.

TRANSPARENT PLASTIC RESISTS ABRASION

'Development of an entirely new transparent plastic having many times the abrasion resistance of other clear plastics was announced recently, but, because of priorities and other restrictions, this new plastic is not yet in commercial production, and is not expected to be available for any but experimental purposes for months

'Its resistance to abrasion is 10 to 30 times greater than other clear plastics. It retains its shape even when exposed to high atmospheric temperatures and can be formed into large sheets, either clear or laminated, by the application of extremely low pressures. In transparent sheets its strength, weight, clarity, and impact resistance are comparable with other transparent resins.'—Scientific American, March, 1943.

- A new page in the ever-changing, ever-progressing history of plastics.

ELECTRICAL HARDENING

'An example of the value of hardening metal by electrical induction was recently demonstrated when the vital parts of one of the world's fastest streamliners were inspected after the locomotive had piled up a million miles of service.

'In checking the engine parts, the wear on the crankpins was found to be only .001 inch, even though the train had traveled a distance equivalent to forty times around the world. According to metallurgical experts, this unusual record was made possible because the crankshafts of the engine were hardened by an electrical induction process.'—Scientific American, March, 1943.

- We might add that technology moves only in a steady upward trend. It cannot go backward.

NEW GLYCERINE PROCESS

'A new alcohol process for the recovery of the glycerin, basis of nitroglycerin, from domestic fats saved by housewives and butchers, has been developed and is now being satisfactorily used commercially by soap manufacturers.

'Recovery of glycerin by this new method is said to be more economical than by other processes, and also more complete. Equipment used is smaller and more compact. Iron vessels, instead of the more costly vessels of stainless steel or other alloys, may be used because the reaction is carried on at ordinary temperatures and pressure. The glycerin produced is water-free.

'Because of the critical need of glycerin for making nitroglycerin and dynamite for the use of the Army Engineer Corps, for mining essential metal ores and coal, and for necessary highway construction, any steps that add to the available supply are an aid to the war effort.

'Soap manufacturers are permitted to continue to make soap only if they recover the glycerin from the fats for the government's aid in war activities.'—Science News Letter, March 13, 1943.

- The above article reveals new processes and better methods of operation for the American manufacturers. Let's adopt a new process and method of social operation, Total Conscription, that will mean the coordination of all industries.

FLUID COAL

'Fluid coal, a pulverized form of coal which, when mixed with air, can be made to flow through standard pipes a quarter of a mile long, is being studied by fuel engineers at Battelle Memorial Institute, Columbus, Ohio, as a possible substitute for fuel oil in industrial heating processes.

'Of particular importance is the fact that for most sections of the country this material would be more economical for applicable industrial processes than the fuels now being used.'—Science Digest, April, 1943.

- From the above article we can well visualize what a relief this would bring to our overloaded transportation system after the installation of the necessary equipment. The crude method of shoveling coal by hand would soon disappear and the coal shovels could be salvaged for scrap. The man who now labors by the hour shoveling coal would be trained for other duties. We might add, 'Whoever gained social prestige by shoveling coal?'



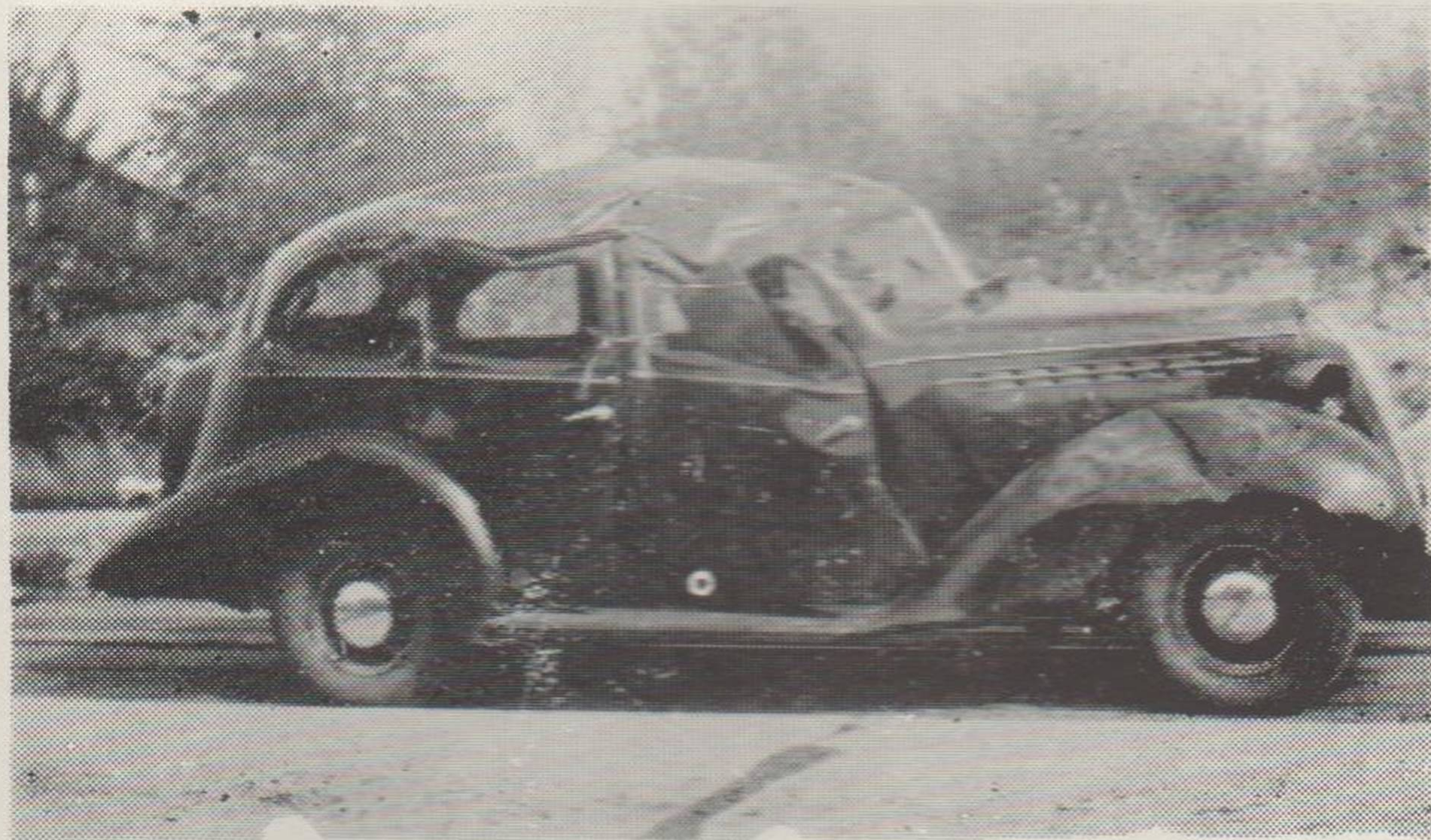
SYNTHETIC OR NATURAL WHICH ?

'WASHINGTON, March 12.—(AP)—Vice President Wallace declared today that whether the United States continues to produce synthetic rubber in commercial quantities after the war ought to depend on its ability to meet price competition from a tariff-free natural product.'

'BALTIMORE, March 12.—(AP)—The quality of synthetic rubber being turned out in the United States has been so improved and its use learned so well that "natural rubber is not a permanent necessity," Dr. Robert V. Yohe told members of the Society of Automotive Engineers last night.

'The B. F. Goodrich Company chemist added that natural rubber now is just "something to tide us over until enough synthetic rubber becomes available for all needs."—Seattle Times.

- Will our synthetic rubber plants be scrapped after the war is over or will we again make a bow to trade?



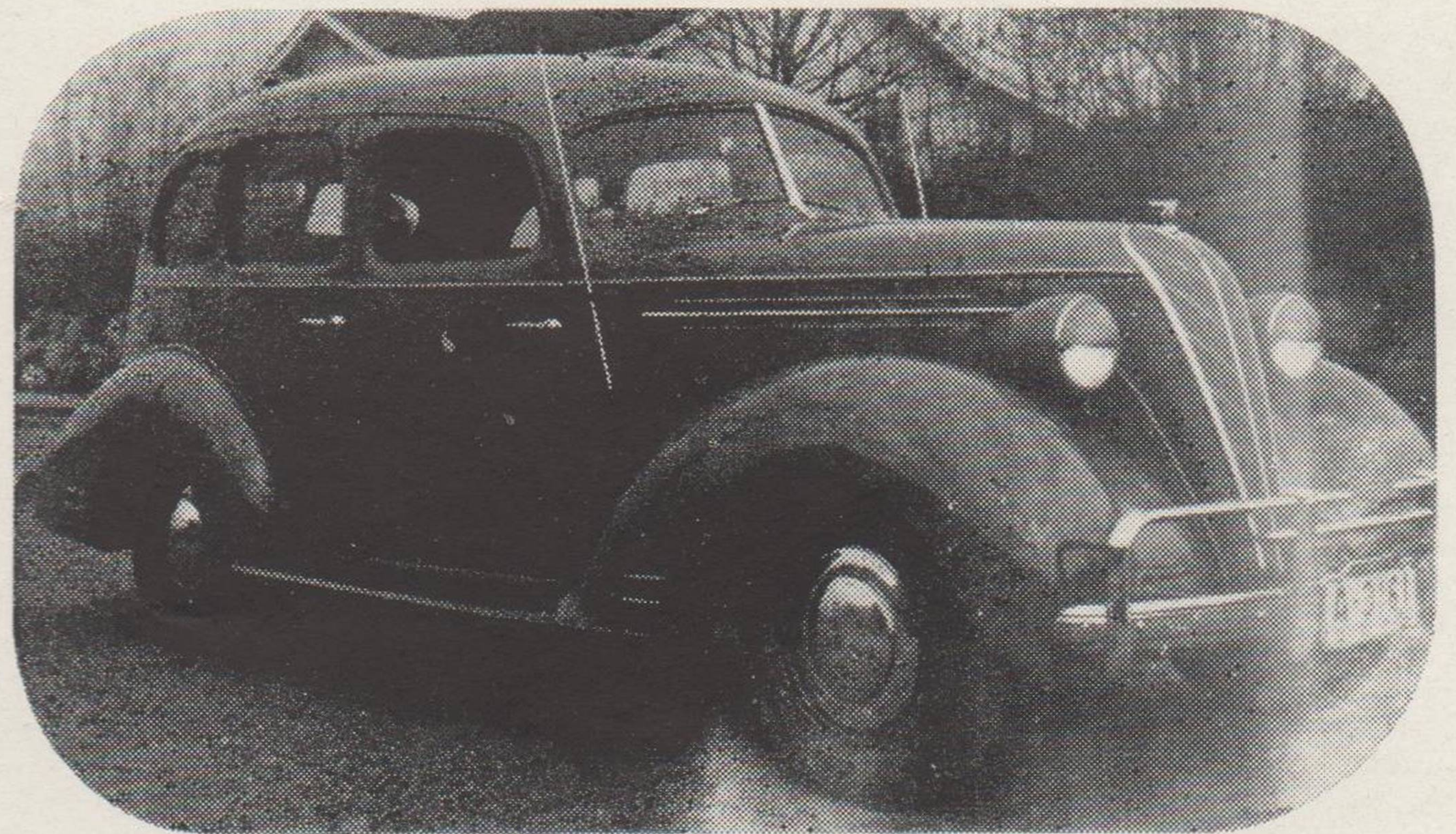
BEFORE

'FUN'CTIONS



● These two pictures show what can be accomplished by a crew of Technocracy's functional members.

● Another good car added to the Gray Fleet.



AFTER

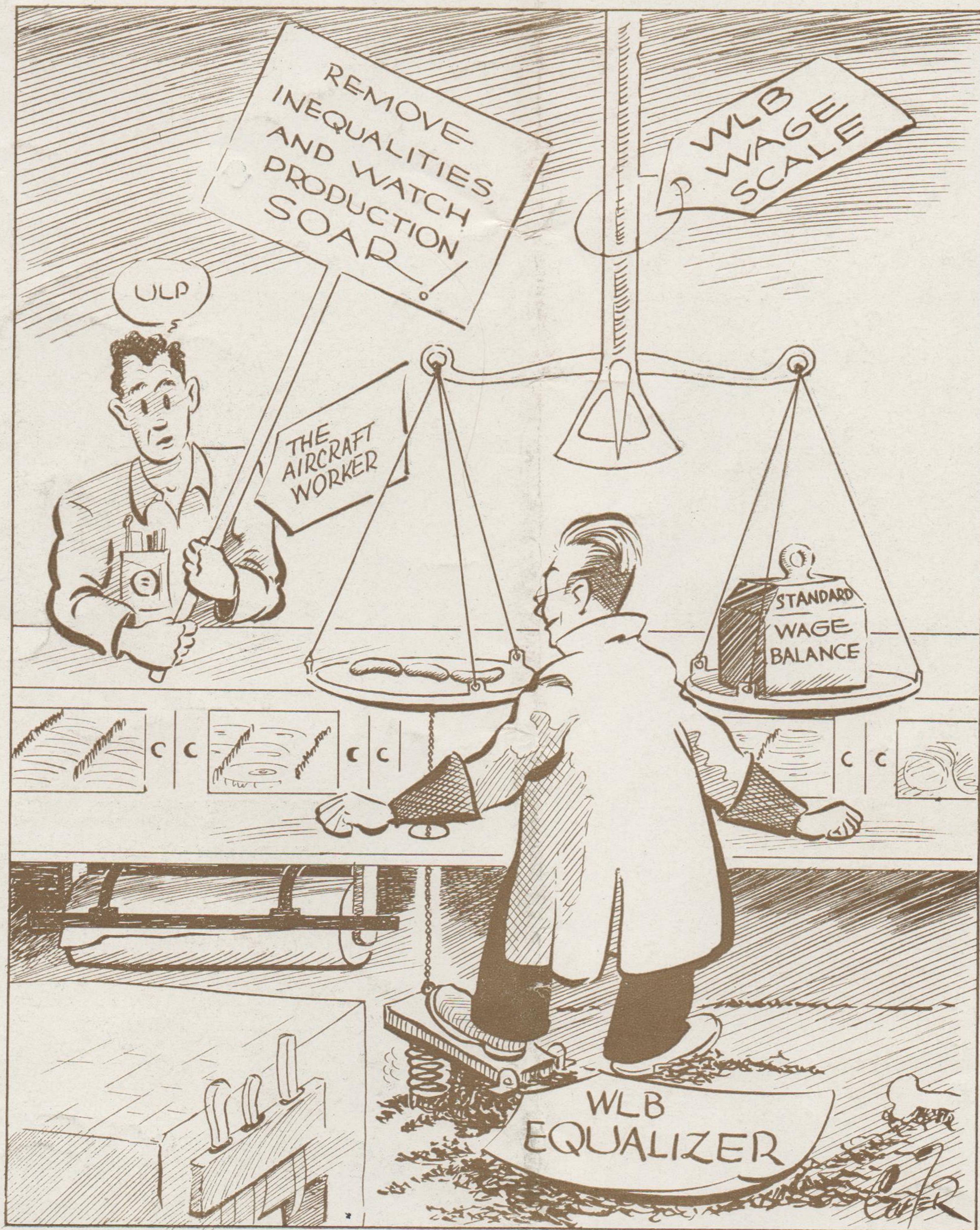


SECTION 1, R.D. 9439
KANSAS CITY, MO.

● Above: One of the many new headquarters being opened by Technocracy Inc.

● Social highlight for Technocrats is the annual New Year's dance. Technocracy's new year starts at the time of the spring equinox, in March.





SEE MIDDLE PAGES